Fig. 1

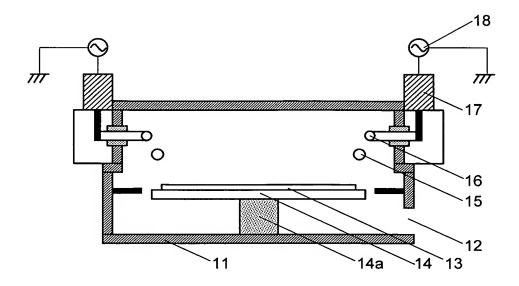


Fig. 2

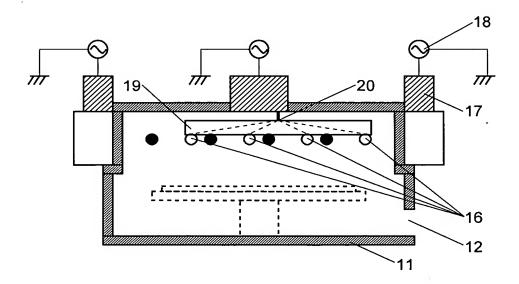


Fig. 3

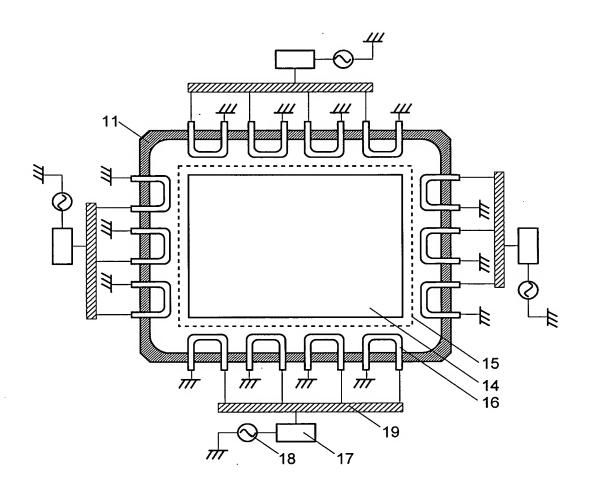
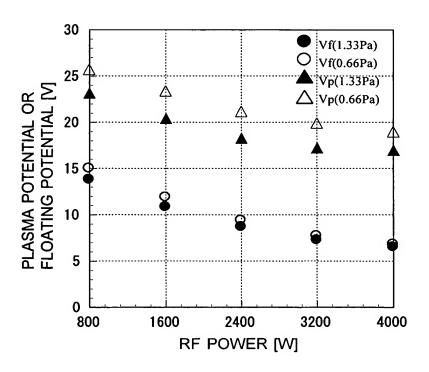


Fig. 4A



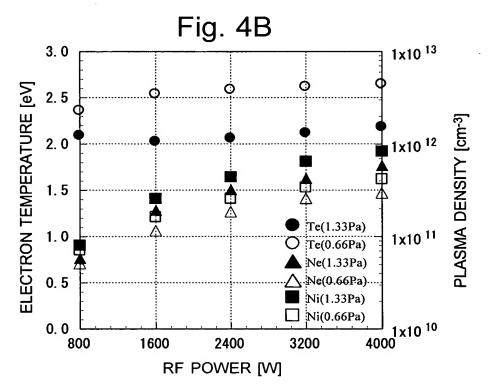
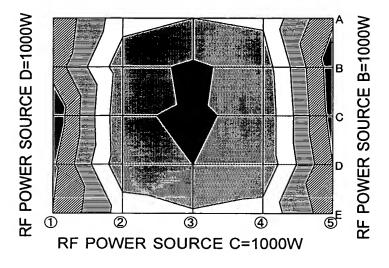


Fig. 5A

RF POWER SOURCE A=1000W

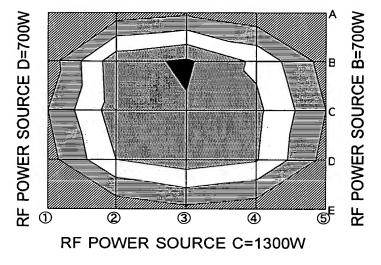


ION SATURATION CURRENT DENSITY UNIT: μA/cm<sup>2</sup>

■ 55.00 -60.00
■ 50.00 -55.00
■ 45.00 -50.00
□ 40.00 -45.00
■ 35.00 -40.00
■ 30.00 -35.00

Fig. 5B

## RF POWER SOURCE A=1300W



ION SATURATION CURRENT DENSITY UNIT:  $\mu$  A/cm<sup>2</sup>

55.00 -60.00 50.00 -55.00 45.00 -50.00 40.00 -45.00 35.00 -40.00 30.00 -35.00

Fig. 6

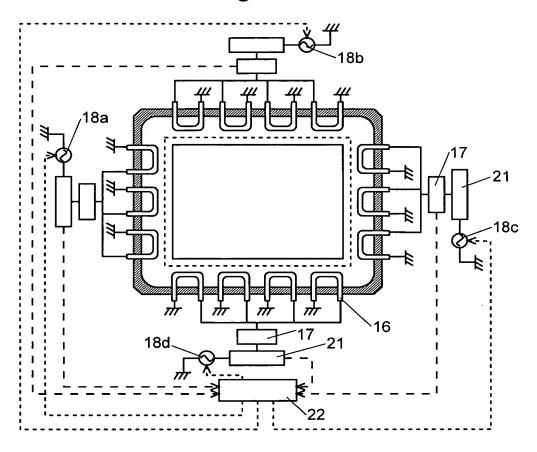
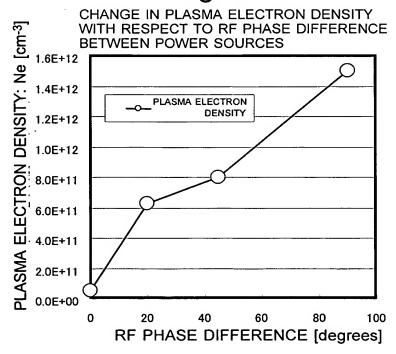
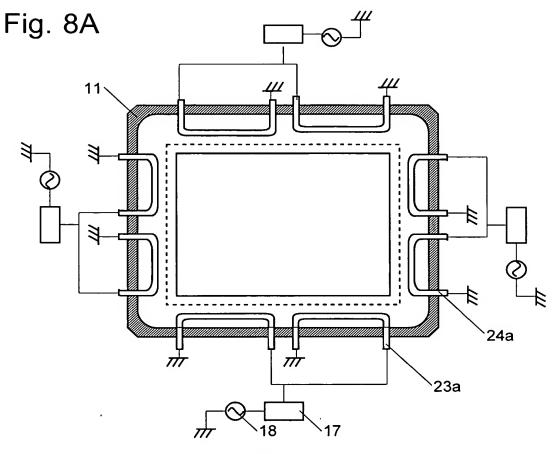


Fig. 7





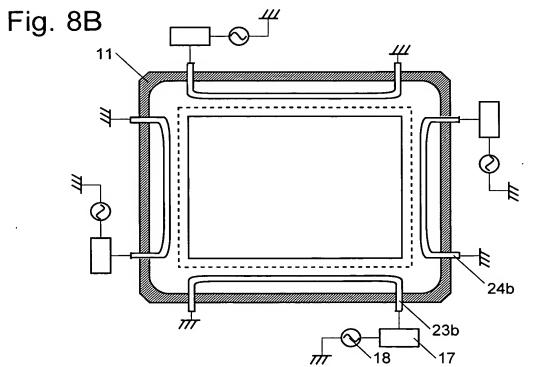


Fig. 9

CHANGE IN PLASMA POTENTIAL AND AMPLITUDE OF FLOATING POTENTIAL WITH RESPECT TO ANTENNA SHAPE

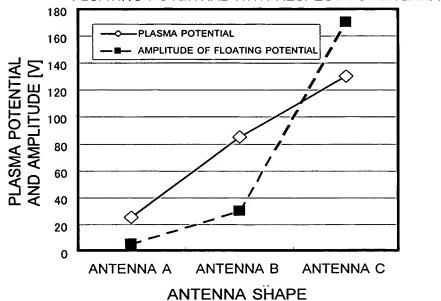


Fig. 10

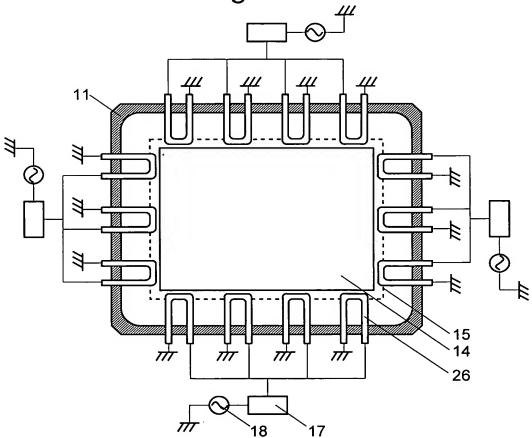


Fig. 11

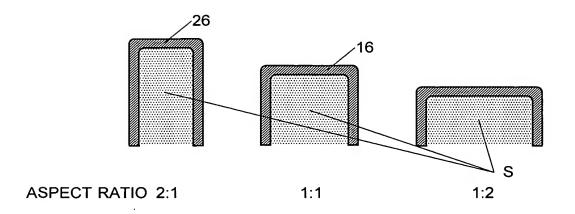
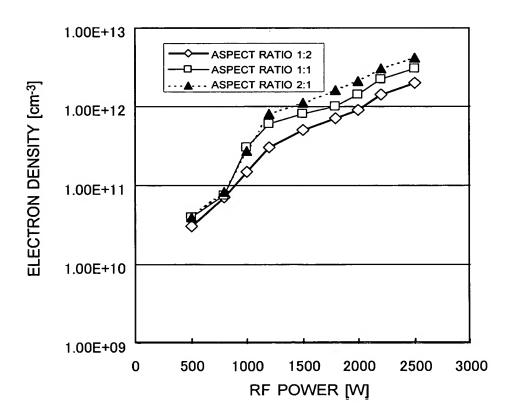


Fig. 12



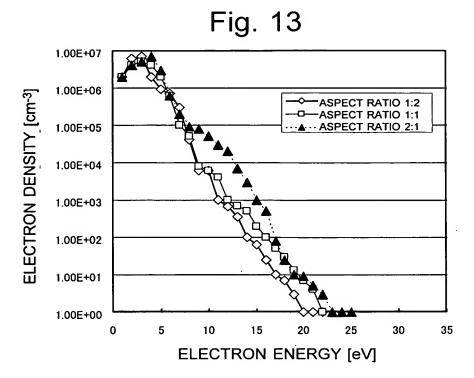


Fig. 14

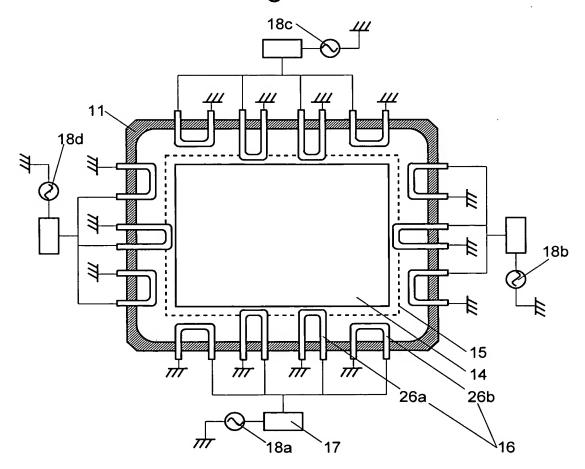


Fig. 15A ION SATURATION **CURRENT DENSITY** [ $\mu$ A/cm<sup>-2</sup>] RF POWER SOURCE 183 50~55 45~50 40~45 35~40 RF POWER SOURCE 184 RF POWER SOURCE 182 D 5 5 3 1 2 4 **RF POWER SOURCE 181** ION SATURATION **CURRENT DENSITY** Fig. 15B [ $\mu$ A/cm<sup>-2</sup>] **RF POWER SOURCE 183** 50~55 45~50 40~45 35~40 RF POWER SOURCE 184 B 30~35 RF POWER SOURCE 182 5 5 1 2 3 4

**RF POWER SOURCE 181** 

Fig. 16

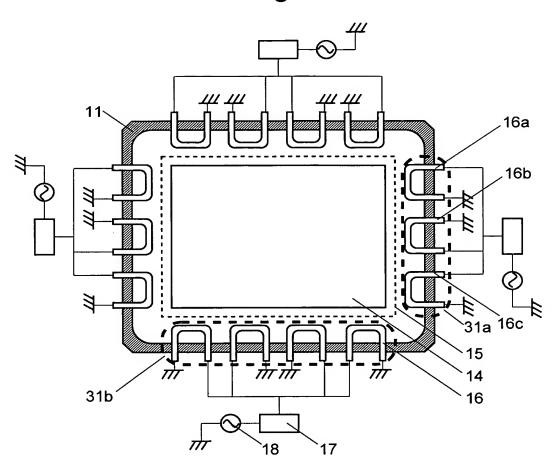


Fig. 17A

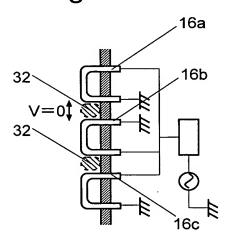
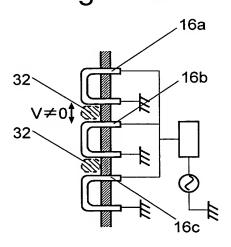


Fig. 17B





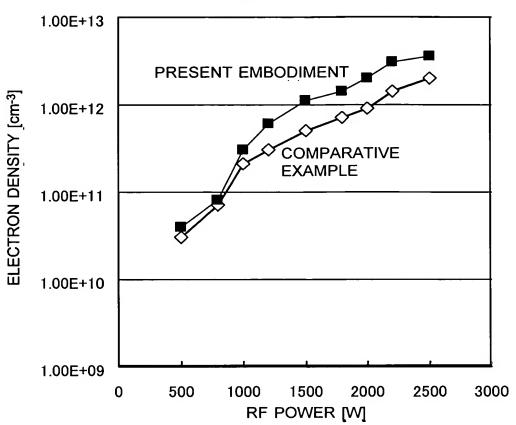


Fig. 19

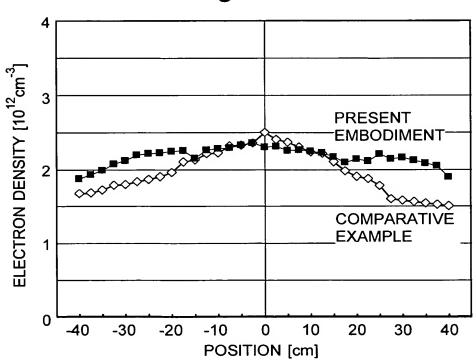


Fig. 20

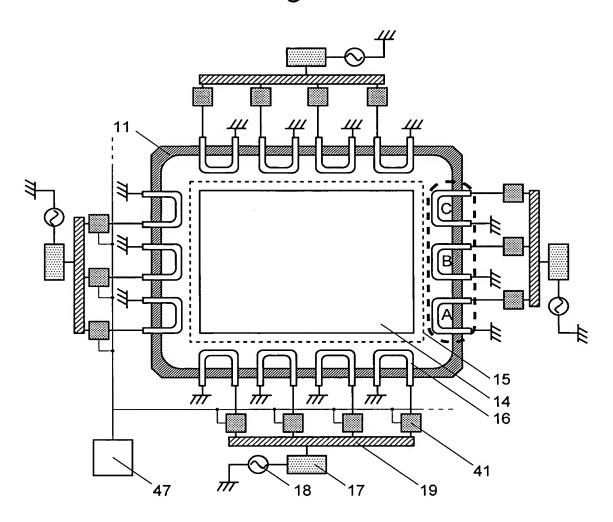


Fig. 21

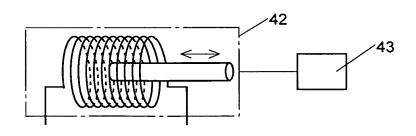


Fig. 22

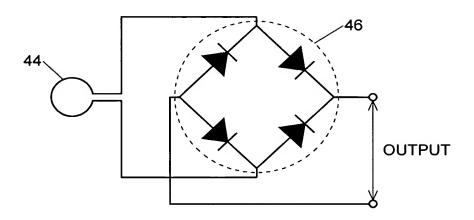


Fig. 23

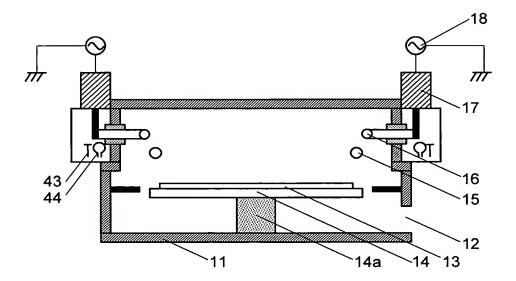


Fig. 24

